WSM

WORKSHOP MANUAL

GR1600EC2

Kubota

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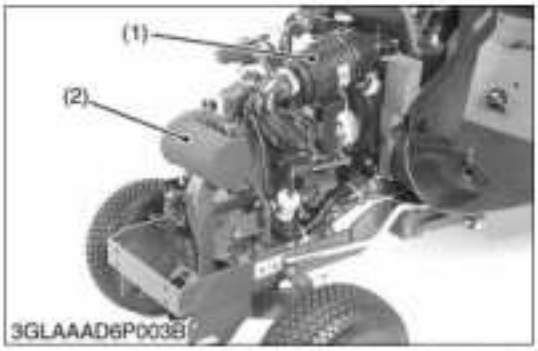
GENERAL

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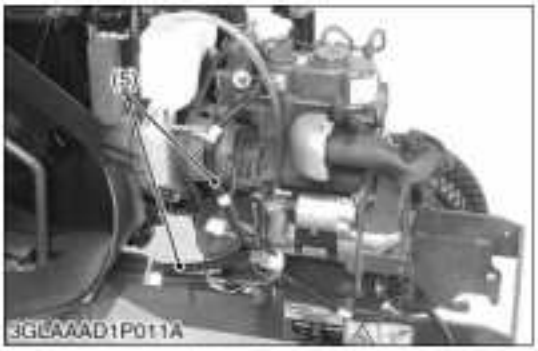
Air Cleaner, Muffler, Fuel Hose and Wire Harness

1. Remove the air cleaner (1) and muffler (2).
2. Disconnect the fuel hoses (3).
3. Disconnect the accelerator wire (4).
4. Disconnect the wire harness (5).

(1) Air Cleaner
(2) Muffler
(3) Fuel Hose
(4) Accelerator Wire
(5) Wire Harness

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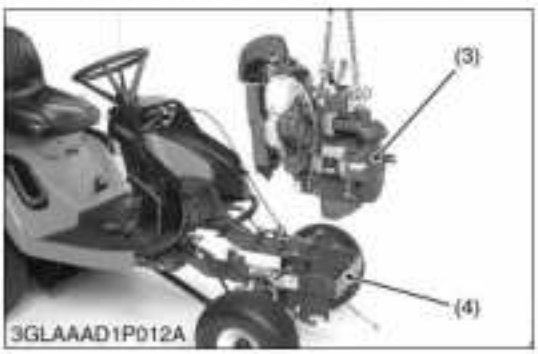
Engine Assembly

1. Remove the radiator retaining snap pins (1).
2. Disconnect the front coupling (2).
3. Separate the engine assembly (3) with radiator from the frame (4).

(When reassembling)

Tightening torque	Front coupling mounting screw	23.5 to 27.4 N·m 2.4 to 2.8 kgf·m 17.4 to 20.3 ft-lbs
	Engine mounting nut	23.5 N·m 2.4 kgf·m 17.4 ft-lbs





(1) Radiator Retaining Snap Pin
(2) Front Coupling
(3) Engine Assembly
(4) Frame

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2. SERVICING SPECIFICATIONS

Item		Factory Specification	Allowable Limit
Front Wheel Alignment	Toe-in	1 to 10 mm 0.04 to 0.39 in.	–
Front Axle Frame to Anti-vibration Bolt	Clearance	0.3 to 0.5 mm 0.012 to 0.020 in.	–
Center Pin to Center Pin Collar	Clearance	0.109 to 0.200 mm 0.00430 to 0.00789 in.	0.210 mm 0.00828 in.
	Center Pin Boss (I.D.)	25.400 to 25.430 mm 1.00000 to 1.00118 in.	–
	Center Pin Collar (O.D.)	25.230 to 25.291 mm 0.99329 to 0.99570 in.	–

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STARTING SYSTEM

Symptom	Probable Cause	Solution	Reference Page
Starter Motor Does Not Operate	Battery discharged or defective	Recharge or replace	G-24, 1-S19
	Slow blow fuse blown (40 A)	Replace	G-35
	Wiring harness disconnected or improperly connected (between main switch ST terminal and safety switches, between safety switches and starter motor, between battery positive terminal and starter motor)	Repair or replace	–
	Starter motor defective	Repair or replace	6-S20
	Main switch defective	Replace	6-S8, 9
	Seat switch defective	Replace	6-S13
	Brake switch defective	Replace	6-S12
	PTO switch defective	Replace	6-S12
	Top cover open switch defective	Replace	6-S13
	Grass container open switch defective	Replace	6-S13
Engine Does Not Stop When Main Switch is Turned OFF	Fuse blown (15 A)	Replace	G-35
	Wiring harness disconnected or improperly connected (between main switch **ACC** terminal and engine stop solenoid)	Repair or replace	–
	Engine stop solenoid defective	Replace	6-S14
	Timer relay defective	Replace	6-S15
Engine Does Not Start	Engine stop solenoid defective	Replace	6-S14
	Timer relay defective	Replace	6-S15

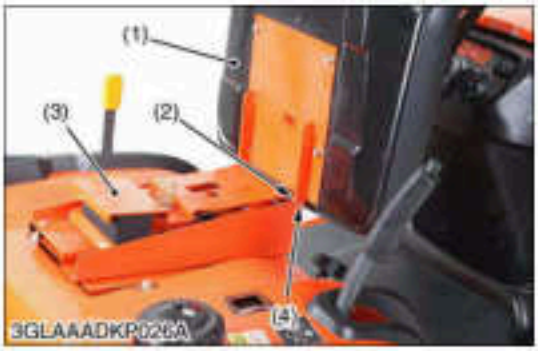
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CHARGING SYSTEM

Charging Lamp Does Not Light when Main Switch is Turned ON	Fuse blown (15 A)	Replace	G-35
	Bulb blown	Replace	G-35
	Wiring harness disconnected or improperly connected (between main switch **ACC** terminal and regulator connector terminal (yellow), between regulator connector terminal (green) and charge lamp)	Repair or replace	–
	Regulator defective	Replace	–
Charging Lamp Does Not Go Off When Engine is Running	Dynamo defective	Repair or replace	6-S21
	Regulator defective	Replace	6-S15, 16

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Seat

1. Remove two snap pins (2), (4).
2. Remove the seat (1) and seat plate (3).

(1) Seat
(2) Snap Pin
(3) Seat Plate
(4) Snap Pin

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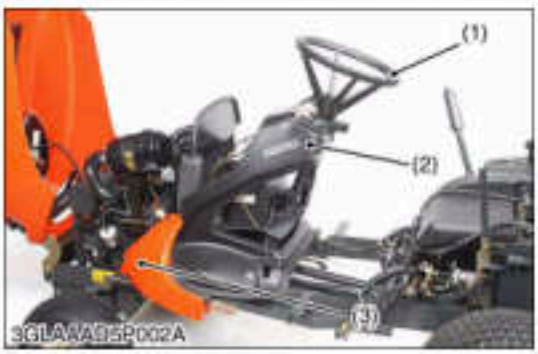


Fender

1. Remove the speed change pedal (5).
2. Peel the step sheet (4) halfway.
3. Remove the fuel cap (1).
4. Remove the fender (2).

(1) Fuel Cap
(2) Fender
(3) Fender Mounting Screw
(4) Step Sheet
(5) Speed Change Pedal

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Steering Wheel, Side Bonnet and Panel

1. Remove the steering wheel (1).
2. Remove the side bonnet (3).
3. Remove the accelerator lever grip.
4. Disconnect the connectors for hour meter (4), main switch (5) and light switch.
5. Remove the indicator lamps (6).
6. Remove the fuse box (7) from the steering support.
7. Remove the panel (2).

(When reassembling)

Tightening torque	Steering wheel mounting nut	20 to 25 N·m 2.0 to 2.5 kgf-m 14.8 to 18.4 ft-lbs

(1) Steering Wheel
(2) Panel
(3) Side Bonnet
(4) Hour Meter
(5) Main Switch
(6) Indicator Lamp
(7) Fuse Box

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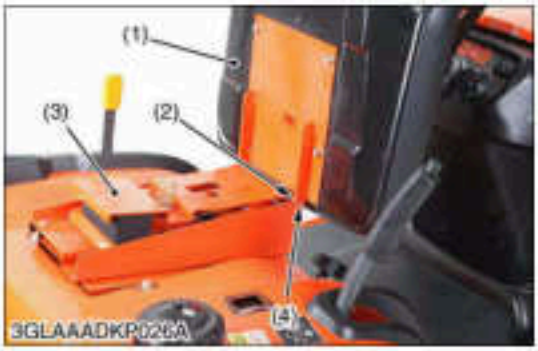


Separating Engine

1. See page 1-S18. ("Engine" Section)

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Seat

1. Remove two snap pins (2), (4).
2. Remove the seat (1) and seat plate (3).

(1) Seat
(2) Snap pin
(3) Seat Plate
(4) Snap Pin

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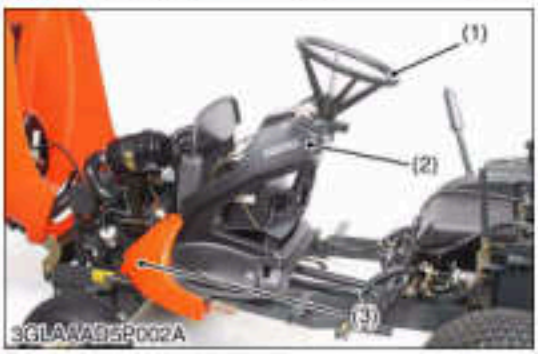


Fender

1. Remove the speed change pedal (5).
2. Peel the step sheet (4) halfway.
3. Remove the fuel cap (1).
4. Remove the fender (2).

(1) Fuel Cap
(2) Fender
(3) Fender Mounting Screw
(4) Step Sheet
(5) Speed Change Pedal

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Steering Wheel, Side Bonnet and Panel

1. Remove the steering wheel (1).
2. Remove the side bonnet (3).
3. Remove the accelerator lever grip.
4. Disconnect the connectors for hour meter (4), main switch (5) and light switch.
5. Remove the indicator lamps (6).
6. Remove the fuse box (7) from the steering support.
7. Remove the panel (2).

(When reassembling)

Tightening torque	Steering Wheel mounting nut	20 to 25 N·m 2.0 to 2.5 kgf-m 14.8 to 18.4 ft-lbs

(1) Steering Wheel
(2) Panel
(3) Side Bonnet
(4) Hour Meter
(5) Main Switch
(6) Indicator Lamp
(7) Fuse Box

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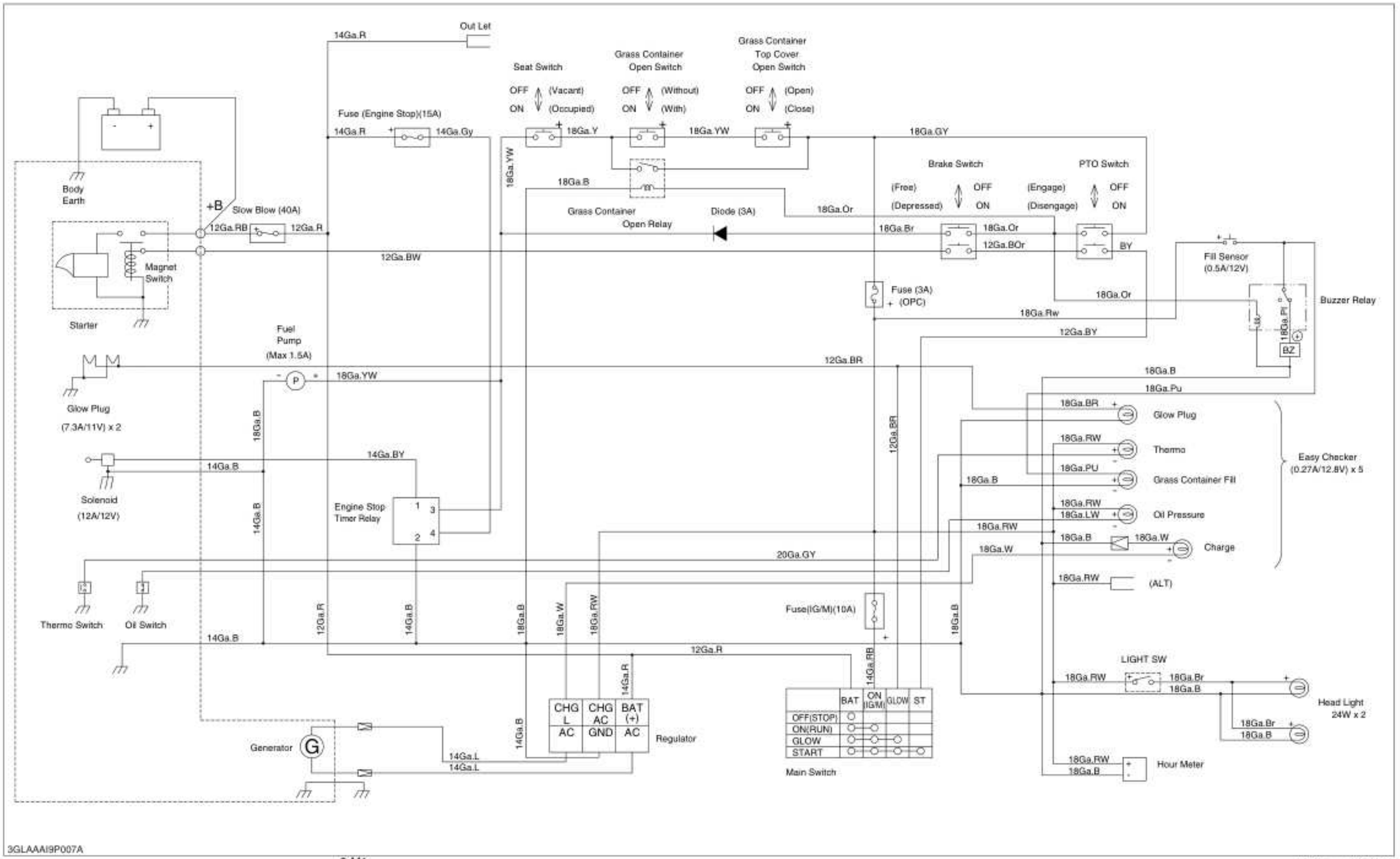
Separating Engine

1. See page 1-S18. ("Engine" Section)

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1. WIRING DIAGRAM



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